

Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error Rows
1 BRS	L1	768	aberrant adj splicing	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:17			0
2 BRS	L2	419	(aberrant adj splicing) same cell	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:17			0
3 BRS	L3	8719	cystic adj fibrosis	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:17			0
4 BRS	L4	2156	((alternative adj splicing adj factor) or asf	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:17			0
5 BRS	L5	356	((aberrant adj splicing) same cell) same disease	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:18			0
6 BRS	L6	74	SR adj protein	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:18			0
7 BRS	L7	24	(heterogeneous adj nuclear adj ribonucleoprotein adj a1) or hbrnpa1	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:18			0
8 BRS	L8	27	E4-ORF3 or E4-ORF6	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:19			0
9 BRS	L9	3	((cystic adj fibrosis) same ((alternative adj splicing adj factor) or asf) factor) or asf)	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:19			0
10 BRS	L10	3	((((aberrant adj splicing) same cell) same disease) or (cystic adj fibrosis)) same ((alternative adj splicing adj factor) or asf) or (SR adj protein) or ((heterogeneous adj nuclear adj ribonucleoprotein adj a1) or hbrnpa1) or (E4-ORF3 or E4-ORF6))	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/12 15:20			0

	Type	L #	Hits	Search Text	DBs	Time Stamp	Comments	Error Definition	Error Rows
11	BRS	L11	11	alternative adj splicing adj factor	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:24			0
12	BRS	L12	1	kerem adj batsheva.in.	USPAT; US-PGPUB; EPO; JPO; DERWENT	2003/05/1 2 15:25			0

FILE 'HOME' ENTERED AT 15:27:34 ON 12 MAY 2003

=> file medline caplus biosis embase scisearch agricola		
COST IN U.S. DOLLARS	SINCE FILE	TOTAL
	ENTRY	SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'MEDLINE' ENTERED AT 15:27:56 ON 12 MAY 2003

FILE 'CAPLUS' ENTERED AT 15:27:56 ON 12 MAY 2003  
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FILE 'SCISEARCH' ENTERED AT 15:27:56 ON 12 MAY 2003  
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FILE 'AGRICOLA' ENTERED AT 15:27:56 ON 12 MAY 2003

=> s alternative splicing factor  
L1 204 ALTERNATIVE SPLICING FACTOR

=> s aberrant splicing  
L2 1787 ABERRANT SPLICING

=> s l2 (p) cell  
L3 668 L2 (P) CELL

=> s (cystic fibrosis) or (spinal muscular atrophy)  
L4 99976 (CYSTIC FIBROSIS) OR (SPINAL MUSCULAR ATROPHY)

=> s disease (p) l3  
L5 128 DISEASE (P) L3

=> s l2 (p) (l3 or l4)  
L6 683 L2 (P) (L3 OR L4)

=> s disease (p) l2  
L7 382 DISEASE (P) L2

=> s (l6 or l7 ) (p) l1  
L8 0 (L6 OR L7 ) (P) L1

=> s sr protein  
L9 2807 SR PROTEIN

=> s heterogeneous nuclear ribonucleoprotein a1  
L10 323 HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1

=> s e4-orf3 or e4-orf6  
L11 197 E4-ORF3 OR E4-ORF6

=> s l9 or l10 or l11  
L12 3311 L9 OR L10 OR L11

=> d his

(FILE 'HOME' ENTERED AT 15:27:34 ON 12 MAY 2003)

FILE 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH, AGRICOLA' ENTERED AT  
15:27:56 ON 12 MAY 2003

L1 204 S ALTERNATIVE SPLICING FACTOR  
L2 1787 S ABERRANT SPLICING  
L3 668 S L2 (P) CELL

L4 99976 S (CYSTIC FIBROSIS) OR (SPINAL MUSCULAR ATROPHY)  
 L5 128 S DISEASE (P) L3  
 L6 683 S L2 (P) (L3 OR L4)  
 L7 382 S DISEASE (P) L2  
 L8 0 S (L6 OR L7 ) (P) L1  
 L9 2807 S SR PROTEIN  
 L10 323 S HETEROGENEOUS NUCLEAR RIBONUCLEOPROTEIN A1  
 L11 197 S E4-ORF3 OR E4-ORF6  
 L12 3311 S L9 OR L10 OR L11

=> s (l6 or l7) (p) l12

L13 5 (L6 OR L7) (P) L12

=> duplicate remove l13

DUPLICATE PREFERENCE IS 'MEDLINE, CAPLUS, BIOSIS, EMBASE, SCISEARCH'

KEEP DUPLICATES FROM MORE THAN ONE FILE? Y/(N):n

PROCESSING COMPLETED FOR L13

L14 1 DUPLICATE REMOVE L13 (4 DUPLICATES REMOVED)

=> d l14 1 ibib abs

L14 ANSWER 1 OF 1 MEDLINE DUPLICATE 1  
 ACCESSION NUMBER: 2001229125 MEDLINE  
 DOCUMENT NUMBER: 21181834 PubMed ID: 11285240  
 TITLE: Nuclear factor TDP-43 and SR proteins promote in vitro and  
 in vivo CFTR exon 9 skipping.  
 AUTHOR: Buratti E; Dork T; Zuccato E; Pagani F; Romano M; Baralle F  
 E  
 CORPORATE SOURCE: International Centre for Genetic Engineering and  
 Biotechnology (ICGEB), Padriciano 99, 34012 Trieste, Italy.  
 SOURCE: EMBO JOURNAL, (2001 Apr 2) 20 (7) 1774-84.  
 Journal code: 8208664. ISSN: 0261-4189.  
 PUB. COUNTRY: England: United Kingdom  
 DOCUMENT TYPE: Journal; Article; (JOURNAL ARTICLE)  
 LANGUAGE: English  
 FILE SEGMENT: Priority Journals  
 ENTRY MONTH: 200106  
 ENTRY DATE: Entered STN: 20010611  
 Last Updated on STN: 20010611  
 Entered Medline: 20010607

AB Alternative splicing of human \*\*\*cystic\*\*\* \*\*\*fibrosis\*\*\*  
 transmembrane conductance regulator (CFTR) exon 9 is regulated by a  
 combination of cis-acting elements distributed through the exon and both  
 flanking introns (IVS8 and IVS9). Several studies have identified in the  
 IVS8 intron 3' splice site a regulatory element that is composed of a  
 polymorphic (TG)m(T)n repeated sequence. At present, no cellular factors  
 have been identified that recognize this element. We have identified  
 TDP-43, a nuclear protein not previously described to bind RNA, as the  
 factor binding specifically to the (TG)m sequence. Transient TDP-43  
 overexpression in Hep3B \*\*\*cells\*\*\* results in an increase in exon 9  
 skipping. This effect is more pronounced with concomitant overexpression  
 of \*\*\*SR\*\*\* \*\*\*proteins\*\*\*. Antisense inhibition of endogenous  
 TDP-43 expression results in increased inclusion of exon 9, providing a  
 new therapeutic target to correct \*\*\*aberrant\*\*\* \*\*\*splicing\*\*\* of  
 exon 9 in CF patients. The clinical and biological relevance of this  
 finding in vivo is demonstrated by our characterization of a CF patient  
 carrying a TG10T9(DeltaF508)/TG13T3(wt) genotype leading to a  
 \*\*\*disease\*\*\* -causing high proportion of exon 9 skipping.

=> d his

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L11 197 S E4-ORF3 OR E4-ORF6  
L12 3311 S L9 OR L10 OR L11  
L13 5 S (L6 OR L7) (P) L12  
L14 1 DUPLICATE REMOVE L13 (4 DUPLICATES REMOVED)

=> log y

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

50.16

50.37

STN INTERNATIONAL LOGOFF AT 15:34:58 ON 12 MAY 2003